

VECTOR, LITTER AND ODOR CONTROL PLAN

Pine Tree Waste Waterville Transfer Facility 3 Lafluer Road, Waterville, Maine

Revised February 2010

Facility Overview

The Pine Tree Waste, Inc. (PTW) facility is used for the transfer of municipal solid waste (MSW), construction and demolition debris (CDD) and single stream recyclables from local residential and commercial sources to offsite disposal and processing facilities. There is also a vehicle maintenance building at the site and an asphalt pad where periodic vehicle washing is undertaken.

The CDD tipping pad is located to the north of the scale, at the center of the site. Materials are unloaded onto the pad, sorted, and loaded into a trailer parked on the lower side of the wall for disposal off-site. The CDD tipping pad area drains to a catch basin at the eastern edge of the concrete pad. The catch basin is connected to a piped-gravity and force main sewer system that discharges to the Waterville sanitary sewer system.

Immediately to the west of the CDD tipping pad is the MSW Transfer Building. Incoming MSW enters at the upper level and is sorted on the indoor tipping floor before being loaded into the transfer trailer for off-site disposal. The lower level loading bay is equipped with a floor drain that collects excess liquids from the MSW and directs it to the municipal sanitary sewer system. A truck parking and container storage area is located west of the MSW Transfer Building.

A new single stream recycling transfer area is located to the westerly side of the existing transfer station. The tipping area is located at the upper elevation of the transfer facility. Transport trailers are placed on a trailer pad located below the tipping area. Recycling trucks pull to the edge of the tipping area and transfer the recycling materials directly into the transport trailers. The area is graded to shed water to a new catch basin that discharges as surface water through a stormwater pretreatment tank and into an underdrain soil filter (USF). Three new gravel pads have been constructed to store empty waste and CDD containers. Stormwater from the pads is directed to an USF (one USF for each container storage pad) to be filtered through soil media before discharging into the downstream receiving waters.

Vector Control

The on-site population of vectors shall be minimized through the application of good housekeeping practices and other methods, as necessary. Equipment, storage and leisure areas will be kept free of debris and food waste to prevent vectors from establishing residence in or near areas where employees or support personnel work and eat. Since vermin prefer solid waste to recyclables, the facility's vector control efforts will focus on the

MSW Transfer Building. Vectors include rats, rodents and other scavengers in or on the MSW.

Litter Control

Transfer station personnel will inspect the property daily for the presence of litter, with particular attention to the single stream recycling area and the construction and demolition debris (CDD) area. Both Lafluer Road and Airport Road will be monitored for litter on a weekly basis. MSW, recycle and/or CDD materials that have either blown away from the tipping area or may have fallen from transport vehicles shall be promptly retrieved and replaced in the appropriate area. Laborers are utilized as needed to collect and dispose of litter found around the perimeter of the transfer station.

The new single stream recycling transfer area has a dedicated litter fence/wind break located along southern and western sections of the transfer area retaining wall. Existing litter fencing is located along the CDD tipping area. Litter fencing is inspected daily to collect and dispose of litter that becomes trapped in the fence.

Odor Control

Area specific odor control activities/actions implemented at the PTW Waterville facility include the following:

Transfer Station

- MSW is handled inside the enclosed Transfer Building.
- Tipping floor is cleared at the end of each day.
- Waste is raked out of corners inside the building daily.
- Floors are washed down and sweepers are used push liquid runoff into the floor drains that discharge to the sanitary sewer.
- Odor crystals are applied to full MSW trailers as necessary during spring/summer/fall months.
- A deodorizing agent is atomized to the ambient air inside the Transfer Building.

Truck Washing

- Trucks are washed year round at the facility.
- Concentrated soap is used in the washing process.
- All wash water flows are directed to the municipal sanitary sewer system.

Wash Pad/Trailer Staging

- The trailer staging pad is washed down on a weekly basis.
- Trailer staging and storage are conducted on pads where water runoff is captured by either the sanitary sewer drain (during washing) or an underdrain soil filter (normal operation).

Container Storage Pads

- Only empty containers are stored on the container storage pads.
- Precipitation runoff from the container storage pads flows through underdrain soil filters before surface discharge.

Other Odor Controlling Applications

- Loads determined to contain excessive odor are diverted to final disposal facilities. The facility also requires that all odorous loads be tarped/covered while in transit.
- PTW is committed to constant improvement in odor control management and mechanisms.